



# City of Gallup

## Navajo Gallup Water Supply Project

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### **Gallup Rural Navajo Water Supply Project Project Status & Funding Summary**

Prepared for the  
State of New Mexico Water Trust Board

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## Water Trust Board Resolution



## **Executive Summary**

### **Navajo Gallup Water Supply Project**

The Navajo Gallup Water Supply Project (NGWSP) was authorized for construction under Public Law 111-11 in March 2009 and is scheduled for completion in 2025. A summary of the project cost (October 2011) is as follows:

NGWSP Project Cost	\$994,857,558.00
San Juan Lateral (NGWSP Reaches 1 to 12)	\$723,159,538.00
Gallup Rural Navajo Water Supply Project (Reaches 13 and 27)	\$66,206,217.00

The USBR/City of Gallup Repayment Contract No. 11-WC-40-435 requires the City of Gallup to pay 35% of their allocated cost of \$155,202,322.00 or \$54,320,813.00. The USBR will pay about \$668,838,725.00 for the San Juan Lateral. The State of New Mexico Water Trust Board (WTB) has contributed approximately \$19,105,365.00 in grants, thus far, to build the Gallup Regional System. It is anticipated that the State will receive credit toward their \$50,000,000.00 share of the project with current and future WTB grants.

### **Gallup Rural Navajo Water Supply Project**

The Gallup Rural Navajo Water Supply Project (GRNWSP) is a major component of NGWSP. The GRNWSP (aka NGWSP Reach 13 and Reach 27) is funded by the State of New Mexico through the NMFA and WTB, the City of Gallup and USBR Federal Financial Assistance Agreement (FAA) No. R11AC10002. Currently, FFA No. R11AC10002, has obligated \$17,212,961.00 for Reach 13 design and construction, Reach 27.5 construction and Environmental and Archaeological studies for the entire GRNWSP. The FAA has allocated \$62,766,042 for Reach 13 and Reach 27.

The City of Gallup will repay a portion of their project through the loan component of the WTB grant/loan package. The State of New Mexico continued funding of the GRNWSP will credit the States' \$50,000,000.00 share of the project.

## Navajo Gallup Water Supply Project

The City of Gallup has been working on the Navajo Gallup Water Supply Project (NGWSP) alongside the United States Department of Interior Bureau of Reclamation, State of New Mexico, the Navajo Nation, Northwest New Mexico Council of Governments, Indian Health Services, NTUA and surrounding Chapter House Communities since 2000. The NGWSP project was authorized for construction on March 30, 2009 under PL-111-11 and is expected to be completed in 2025. The NGWSP will provide long-term supply, treatment, and transmission of municipal and industrial water to the Navajo Nation, the Jicarilla Apache Nation, and the City of Gallup. Refer to Figure 1 for a map provided by the United States Bureau of Reclamation (USBR), which shows the NGWSP in its entirety with corresponding Reaches.



The Gallup Rural Navajo Water Supply Project (GRNWSP) is a major component of the NGWSP and is planned to deliver over 13,000 acre feet of drinking water to the City of Gallup, Navajo Chapters and surrounding rural areas. Table A provides information regarding each of the Projects and their corresponding Reach number with anticipated in-service dates and operation and maintenance responsibilities. A map showing all Projects of the GRNWSP is provided as Figure 2.



## Gallup Rural Navajo Water Supply Project

Master Plan

Date: July 2000, Revised 2002 & 2003

Preliminary Design and Report for the Navajo Gallup Water Supply Project City of Gallup Transmission and Storage Facilities and Interim Projects-1 for Northwest New Mexico Council of Governments.



A digital computer model of the City's water distribution system using Haestad Method water system modeling software was developed and has been used to simulate existing and future demands and to determine future water line, storage tank and pump station sizes and locations to supply water to the City of Gallup, surrounding communities and Chapters to the year 2040. The project cost estimate in 2002 was approximately \$25,000,000.00 and as of today the project cost estimate is about \$80,000.00. The increase is due to inflation, over the past 12 years, of material, equipment and labor costs. The Gallup Rural Navajo Water Supply Project is described in the Preliminary Design and Report for the Navajo Gallup Water Supply Project for the City of Gallup Transmission and Storage Facilities and Interim Projects 1. This report is contained in Appendix F, of Appendix B of Volume II. This document was provided to the cooperating agencies that participated in the NGWSP FEIS process; however, it was bound as a separate document. A copy of Preliminary Design and Report for the Navajo Gallup Water Supply Project for the City of Gallup Transmission and Storage Facilities and Interim Projects 1, Appendix F is available.

The Gallup Rural Navajo Water Supply Project will be constructed in phases and the attached Table B contains a financial breakdown including WTB funding for each Project described as follows.

## Gallup Rural Navajo Water Supply Project 1/Reach 27.1

Funded by State of New Mexico Water Trust Board through New Mexico Finance Authority: WTB #5, WTB # 17 and WTB#19.

Total project cost: \$4,238,769.89

Bid Price Including Accepted Alternatives on April 22, 2008: \$3,760,515.52

Total Number and Cost of Change Orders: CO No. 1 -\$98,661.01 (decrease)

Final Construction Cost as of October 14, 2009: \$3,661,854.51.

- WTB #5: \$1,600,000.00
- WTB #17: \$1,000,000.00
- WTB #19: \$1,638,769.89



The project consisted of installing approximately 16,000 linear feet of 10" PVC waterline within NM118 right of way to connect to NTUA water system approximately 2 miles west of the City. The 10" waterline is the first step in providing water to Manuelito and Tsayatoh Chapters, west of the City of Gallup. In addition, approximately 10,800 linear feet of 14" and 3,200 linear feet 24" ductile iron pipe were installed around the east of the airport and west along Mendoza Road to connect to an

existing 14" waterline which connects to Southwest Tank. The NTUA water system is connected at the western end of the Gallup Regional System. A metering station and a NTUA booster pump station also share this location. NMDOT utility permits were acquired for the project. The original contract schedule of 365 days was extended 92 days for modifications to the water loading station.

## Gallup Rural Navajo Water Supply Project 2

Twin Lakes Well -Funded by State of New Mexico, LGD Grant #03-T-027\$1,000,000.00. **No WTB Funds were used for Project 2.**



Twin Lakes Well north of Gallup was completed in 2005 and is scheduled to provide water to NTUA facilities once Project 4 is complete. A pump house, electrical controls, and the installation of over 5,500 linear feet of 10-inch waterline to the existing Twin Lakes System were also included in construction activities. The purpose of Project 2 is to provide supplemental water supply to meet immediate short-term demand and to become a conjunctive-use groundwater supply to supplement the NGWSP when complete. The Twin Lakes Well and 10" transmission/distribution line are part of an IHS-N95 Project. Total Project Cost was \$1,000,000.00 and was not funded by WTB.



### Gallup Rural Navajo Water Supply Project 3/Reach 27.3

Funded by State of New Mexico Water Trust Board through New Mexico Finance Authority:  
WTB # 19, WTB #41, and WTB #111

Total Project Cost: \$2,733,885.86

Bid price including accepted alternatives: \$2,305,648.62

Total number and cost of Change Orders: -\$43,411.71 (decrease)

Final Construction Cost Amount: \$2,262,236.91 (As of June 1, 2011)

- WTB #19: \$866,040.31
- WTB #41: \$1,500,000.00
- WTB #111: \$367,845.55

Project 3 consisted of the installation of approximately 10,000 linear feet of 12" ductile iron pipe west along a projection of Mendoza Road to Crest View Road. The waterline continues north, crossing I-40 and NM 118 and connects to the existing 10" waterline, following NM 118, installed with Project 1. In addition, approximately 7,000 linear feet of 24" ductile iron pipe was installed north from the end of the existing 24" line at the airport, crossing NM 118, BNSF Railroad, I-40 and the Puerco River to Morello Avenue. The 24" line connects to the City's existing 10" line in Morello Avenue; this location includes a pressure reducing station. The 24" line will eventually be extended north to connect to the proposed Gamarco Tank in future phases. NMDOT and BNSF Railroad utility and US Army Corps of Engineer 404 permits were acquired for the project. This project is required to supply water to NTUA Red Rock delivery point.



The three above mentioned Navajo Gallup Water Supply Projects were complete as of June 2011 and were the first steps to regionalizing the area water system and distributing ground water and San Juan River water to the City of Gallup and its surrounding areas.



#### **Gallup Rural Navajo Water Supply Project 4/Reach 27.4**

Funded by State of New Mexico Water Trust Board through New Mexico Finance Authority WTB # 19 and #111.

Estimated Total Project Cost: \$3,984,569.00

Estimated Design Cost: \$382,876.00

Construction Cost Estimate: \$3,601,693.00

##### **Design Funding**

- WTB #19: \$78,555.80
- WTB# 111: \$304,320.20

##### **Construction Funding**

- WTB #111: \$3,601,693.00

Project 4 consists of constructing a waterline to connect Twin Lakes Well (Project 2) and NTUA water, as well as construction of a 300,000 gallon storage tank at Tolakia. The estimated bid date is June 2013. A contract with NTUA will be executed in place before the in-service date; the City of Gallup will maintain ownership.

#### **Gallup Rural Navajo Water Supply Projects 5/Reach 27.5**

Funded by State of New Mexico Water Trust Board through New Mexico Finance Authority and the City of Gallup: Funded by WTB #150 for \$1,002,576.00 for planning and design only. WTB #215 for \$2,622,978.00 and City of Gallup \$1,748,652.00 (loan component) to be used for construction. The Federal Financial Assistance (FFA) agreement obligates \$8,488,673 for construction.

Estimated Total Project Cost: \$12,114,227.00

Estimated Design Cost: \$1,002,576.00

Construction Cost Estimate: \$11,111,651.00

##### **Design Funding**

- WTB #150 \$1,002,576.00

##### **Construction Funding**

- WTB #215: \$2,662,978.00
- Federal (USBR) FFA #R22AC40002: \$6,740,021.00 (Obligated)
- City of Gallup: \$1,748,652.00

Project 5 consists of constructing three (3) 1.86 MG Storage Tanks and a building to house SCADA equipment, controls, and valves; the Gibson pressure reducing station at 9<sup>th</sup> Street and approximately 3,750 linear feet of 18" and 30" waterline that will connect an existing transmission line to the Gamarco Tanks. Water from the tanks will be delivered to points of delivery east, south, and west of Gallup. A 500,000 gallon storage tank and upgrades to the Yah-Ta-Hey Pump Station in Yah-Ta-Hey, New Mexico are included. Project 5 is the backbone of the Gallup Regional Water Supply Project; the estimated bid date is June 2013.



## **Gallup Rural Navajo Water Supply Project 6/Reach 27.6**

Funded by State of New Mexico Water Trust Board through New Mexico Finance Authority and the City of Gallup: \$840,000 for planning and design only, funded by WTB #150 and a portion of WTB #111. WTB Application #428 was submitted on November 2, 2012, for Construction Costs in the amount of \$4,275,608. The Federal Financial Assistance agreement obligates \$4,275,309 for construction of the project.

Estimated Total Project Cost: \$9,391,127.00

Estimated Design Cost: \$840,000.00

Construction Cost Estimate: \$8,551,217.00

### **Design Funding**

- WTB #111: \$240,720.00
- WTB #150: \$599,280.00

### **Construction Funding**

- WTB Application #428: \$4,275,608.00
- Federal (USBR) FFA #R22AC40002: \$4,275,609.00 to be Obligated

Project 6 includes approximately 5.1 miles of 18" waterline, 1,700 feet of 12" waterline, Heaton Pump Station and Hogback pressure reducing station. The 18" waterline begins on the western side of Highway 491, extending from a lateral extension of Project 9. Project extends eastward along developed, disrupted, and undeveloped lands parallel to Interstate 40. At this point, the waterline narrows to a 12" waterline and turns south through the Hogback pressure reducing station, crossing Interstate 40, BNSF Railroad, Puerco River, and US Highway 66, finally connecting to the City's existing water system. Project 6 will provide the necessary facilities to convey water from the Gamerco Tanks to Project 7 and Reaches 14.1, 14.2, 14.3 and 14.4. The estimated bid date for Project 6 is August 2014.

## **Gallup Rural Navajo Water Supply Project 7/Reach 27.7**

Estimated Total Project Cost: \$8,722,245.00

Estimated Design Cost: \$726,855.00

Estimated Construction Cost: \$7,995,390.00

### **Design Funding**

- WTB #111: \$264,350.00
- Federal (USBOR) FFA #R22AC40002: \$462,505.00 to be Obligated

### **Construction Funding**

- WTB: To be Determined
- City of Gallup: To be Determined
- Federal (USBR) FFA #R22AC40002: To be Obligated

Project 7 of the NGWSP begins at the terminus of Project 6 and extends eastward. It will be completed as a 16" waterline that connects to BOR Reaches 14.1, 14.2, 14.3 and 14.4 Churchrock, Iyanbito, Pinedale and Mariano Lake, respectively. Also included in Project 7 is the Red Rock Storage Tank, a 2.0 MG water storage tank located just north of Red Rock

State Park in McKinley County, New Mexico. Project 7 has an estimated bid date of August 2015.

### **Gallup Rural Navajo Water Supply Project 8/Reach 13**

Funded by State of New Mexico Water Trust Board through New Mexico Finance Authority and the City of Gallup by a portion of WTB #111 and all of WTB #247 totaling \$3,788,834.00. The Federal Financial Assistance agreement obligates \$605,117.09 for the design of the project and \$4,014,961.00 for construction of the project.

Estimated Total Project Cost: \$8,482,386.00

Estimated Design Cost: \$678,591.00

Construction Cost Estimate: \$7,803,795.00

#### **Design Funding**

- WTB #111: \$73,473.91
- Federal (USBR) FFA #R22AC40002: \$605,117.09 (Obligated)

#### **Construction Funding**

- WTB Application #247: \$2,273,300.00
- City of Gallup: \$1,515,534.00
- Federal Funding FFA #R22AC40002: \$4,014,961.00 (Obligated)

The proposed construction for Project 8 consists of 18,000 linear feet of 30" diameter ductile iron water line between Reach 12B at Yah-Ta-Hey to the north and Gamarco Reservoir Site to the south (completed as Project 5). An 18" waterline will connect Yah Ta Hey pump station to the 30" line. The estimated bid date for Project 8 is October 2013.

### **Gallup Rural Navajo Water Supply Project 9/Reach 27.9**

Estimated Total Project Cost: \$8,141,061.00

Estimated Design Cost: \$678,422.00

Estimated Construction Cost: \$7,462,639.00

#### **Design Funding**

- WTB #111: \$264,362.34
- Federal (USBR) FFA #R22AC40002: \$414,059.66 to be Obligated

#### **Construction Funding**

- WTB: To be Determined
- City of Gallup: To be Determined
- Federal (USBR) FFA #R22AC40002: To be Obligated

Project 9 includes the installation of a 24" waterline from the terminus of Project 5 to the City of Gallup main water system. The extent of this waterline is approximately 3.2 miles in a north-south direction. Additionally, there is a lateral portion of Project 9, a 16" waterline that begins mid-way through the project and extends roughly 0.4 miles eastward, terminating at the beginning of Project 6 PRV station. Project 9 has an estimated bid date of November 2014.



### **Gallup Rural Navajo Water Supply Project 10/Reach 27.10**

Estimated Total Project Cost: \$8,700,420.00

Estimated Design Cost: \$725,035.00

Estimated Construction Cost: \$7,975,385.00

#### **Design Funding**

- WTB #111: \$191,775.00
- Federal (USBR) FFA #R22AC40002: \$533,260.00 (To be Obligated)

#### **Construction Funding**

- WTB: To be Determined
- City of Gallup: To be Determined
- Federal (USBR) FFA #R22AC40002: To be Obligated

Project 10 of the NGWSP includes the construction of a 3.0 MG storage tank and corresponding pump station; the Lyons tank and pump station. A waterline will also be constructed that will connect Reaches 14.6, 14.7, and 14.8 in the future. Project 10 has an estimated bid date of February 2016.

### **Gallup Rural Navajo Water Supply Project 11/Reach 27.11**

Estimated Total Project Cost: \$2,599,870.00

Estimated Design Cost: \$216,656.00

Estimated Construction Cost: \$2,383,214.00

#### **Design Funding**

- WTB #111: \$191,775.00
- Federal (USBR) FFA #R22AC40002: \$24,881.00 (To be Obligated)

#### **Construction Funding**

- WTB: To be Determined
- City of Gallup: To be Determined
- Federal (USBR) FFA #R22AC40002: To be Obligated

Project 11 includes the construction of a 12" and 14" waterline that will connect Reaches 14.6, 14.7, and 14.8, Red Rock, Bread Springs, and Chichiltah, respectively. Project 11 has an estimated bid date of May 2017.

### **Gallup Rural Navajo Water Supply Project 12/Reach 27.12**

Estimated Total Project Cost: \$6,894,573.00

Estimated Design Cost: \$574,547.00

Estimated Construction Cost: \$6,320,026.00

#### **Design Funding**

- WTB #111: \$191,775.00
- Federal (USBR) FFA #R22AC40002: \$382,772.00 (To be Obligated)

#### **Construction Funding**

- WTB: To be Determined
- City of Gallup: To be Determined
- Federal (USBR) FFA #R22AC40002: To be Obligated

Project 12 includes the construction of the 2.0 MG South Fork storage tank. Planned construction also includes 12", 10", and 8" waterline that will supply the NTUA Boardman service connections. Project 12 has an estimated bid date of August 2018.

### **Gallup Rural Navajo Water Supply Project 13/Reach 27.13**

Estimated Total Project Cost: \$3,768,964.00

Estimated Design Cost: \$314,098.00

Estimated Construction Cost: \$3,454,886.00

#### **Design Funding**

- WTB #111: \$191,775.00
- Federal (USBR) FFA #R22AC40002: \$122,323.00 (To be Obligated)

#### **Construction Funding**

- WTB: To be Determined
- City of Gallup: To be Determined
- Federal (USBR) FFA #R22AC40002: To be Obligated

Project 13 includes the Sacred Heart Storage Tank, a 1.5 MG water storage tank, and 12" waterline. Project 13 is also known as Reach 27.13. Project 13 has an estimated bid date of November 2019.



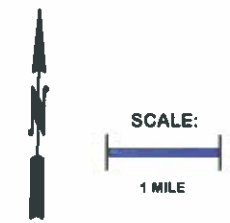
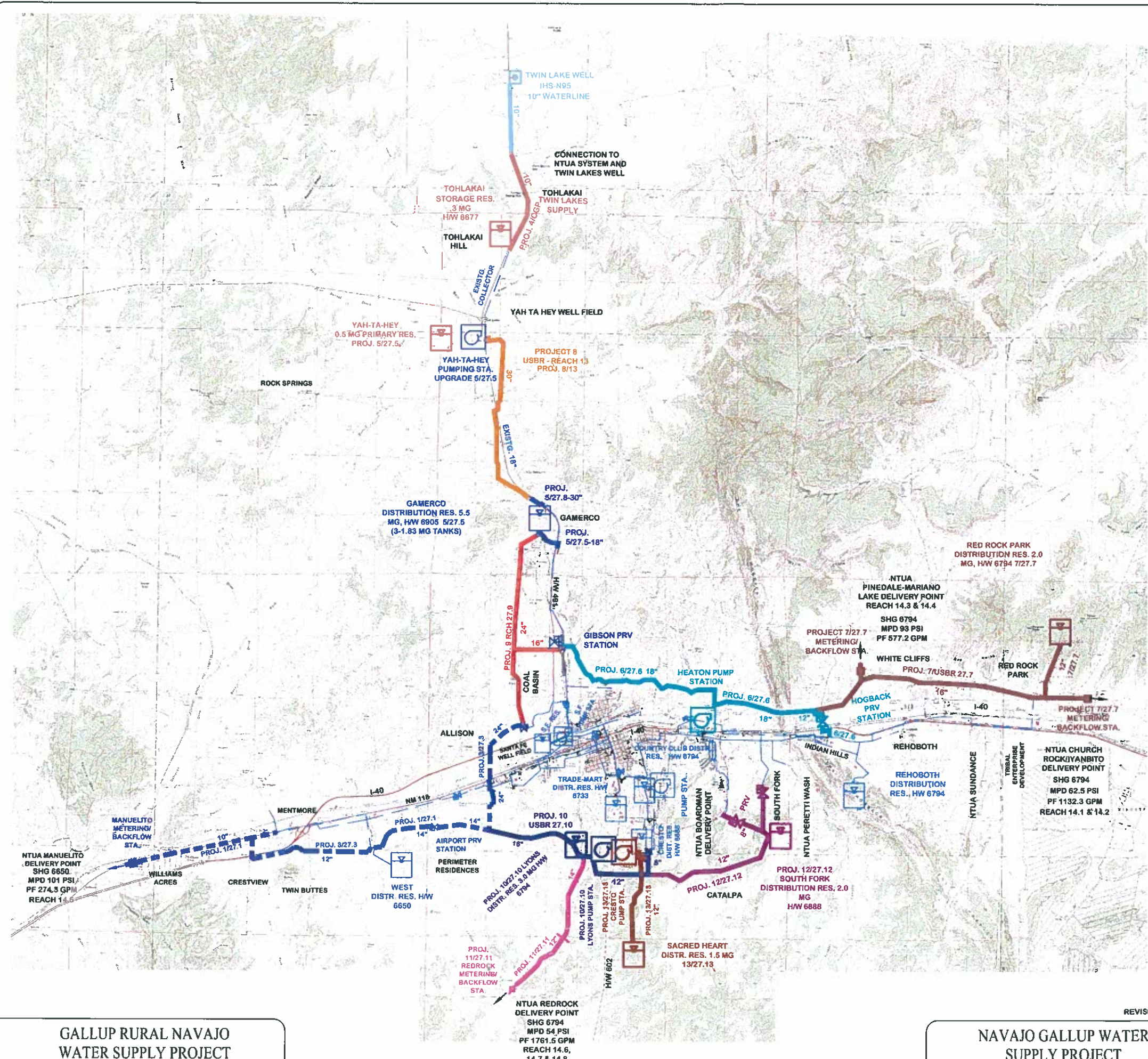
# Figure 1





# Figure 2





**LEGEND:**

- COMPLETED TRANSMISSION LINE
- PROJECT TRANSMISSION LINE
- EXISTING CITY WATER MAIN
- CITY PROJ. NO./USBR REACH NO.
- EXISTING PRESSURE REDUCING VALVE
- EXISTING WATER STORAGE RESERVOIR
- EXISTING PUMP STATION
- NEW PRESSURE REDUCING VALVE
- NEW WATER STORAGE RESERVOIR
- NEW PUMP STATION
- SHG 6794 STATIC HYDRAULIC GRADE W/ FULL RESERVOIR
- MPD 93 PSI MIN. PRESSURE @ PEAK DEMAND (YR. 2040)
- PF 274.3 GPM PEAK DELIVERY FLOW (YR. 2040)

**NAVAJO GALLUP WATER SUPPLY PROJECT  
GALLUP REGIONAL WATER SUPPLY SYSTEM  
ALSO KNOWN AS  
GALLUP RURAL NAVAJO WATER SUPPLY PROJECT**

GRNWSR PROJECT NO.	NGWSP USBR REACH	DESCRIPTION
1	27.1	10", 14" AND 24" WATERLINE, WATER LOADING STATION, NTUA CONNECTION FOR MANUELITO CHAPTER
2	CGP	TWIN LAKES WELL, IHS-N95 AND 10" WATER TANK NTUA SYSTEM
3	27.3	12" AND 24" WATERLINE FOR DELIVERY OF WATER THROUGH CITY SYSTEM
4	CGP	10" WATERLINE FROM TWIN LAKES WELL, 0.3 MG NTUA DISTRIBUTION STORAGE.
5	27.5	GAMERCO TANK (5.5 MG), YAH TA HEY PUMP STATION UPGRADE, 30" & 18" WATERLINES, GIBSON PRV STATION AND 0.5 MG CITY PRIMARY STORAGE
6	27.6	18" & 12" WATERLINES, HEATON PUMP STATION AND HOGBACK PRV STATION
7	27.7	16" WATERLINE TO CHURCHROCK. 12" WATERLINE & 2.0 MG STORAGE TANK AT RED ROCK PARK. CONNECT NTUA SERVICE FOR MARIANO LAKE, PINEDALE, CHURCHROCK & IVANBITO.
8	13	30" WATERLINE YAH TA HEY TO GAMERCO TANK
9	27.9	24" & 16" MAIN WATERLINE FROM GAMERCO TANK
10	27.10	16", 12", & 8" WATERLINE, 3.0 MG STORAGE TANK AND PUMP STATION
11	27.11	12" & 14" WATERLINE TO RED ROCK, BREAD SPRINGS & CHICHILTAH.
12	27.12	12", 10" AND 8" WATERLINE, 2.0 MG STORAGE TANK, AND TWO-PRV STATIONS
13	27.13	12" WATERLINE AND 1.5 MG STORAGE

GALLUP RURAL NAVAJO  
WATER SUPPLY PROJECT

NAVAJO GALLUP WATER  
SUPPLY PROJECT

REVISED: NOV. 2012

FIGURE 2

DePauli Engineering & Surveying LLC  
- Civil Engineers and Land Surveyors -  
307 South 4th Street Gallup, NM 87301  
Tel. (505)863-5440 des@cnetco.com





Project Number	Corresponding Reach	Project Description	Operation and Maintenance Responsibility	In-service Date
1	27.1	Construct 10, 14, and 24-inch waterlines that connect to Reach 14.5. Construction includes a water loading, metering, and pressure reducing stations.	City of Gallup	Complete 2009
2	N/A	Drill and install one well, a pump house, electrical controls. Install 1,500 linear feet of 10-inch waterline to the existing NTUA Twin Lakes System. <b>NOT FUNDED BY WATER TRUST BOARD.</b>	NTUA	Complete 2005
3	27.3	Construction of 12 and 24-inch waterlines for future connection to Reaches 14.5, 14.6, 14.7, and 14.8 and to Reach 27.1.	City of Gallup	Complete 2011
4	N/A	Construction of a 10-inch waterline that connects the Twin Lakes Well and NTUA System to one (1) 0.3 MG reservoir.	NTUA	2013
5	27.5	Construction of Gamerco Tanks, three (3) 1.86 MG reservoirs, 18-inch and 30-inch waterline, the Gibson pressure reducing station, and Yah-Ta-Hey Pump Station upgrades.	City of Gallup	2014
6	27.6	Construct 18-inch and 16-inch waterline, Heaton pump station and pressure reducing station for future connection to Reaches 14.1, 14.2, 14.3 and 14.4.	City of Gallup	2015
7	27.7	Construct Red Rock Park 2.0 MG water storage tank and 16-inch waterline that will connect to Reaches 14.1, 14.2, 14.3, and 14.4.	City of Gallup	2020
8	13	Construct 24-inch waterline between Reach 27.5 Gamerco Tank and Reach 12B; complete 18-inch line to Yah-Ta-Hey Pump Station.	City of Gallup	2014
9	27.9	Construct 24-inch and 16-inch waterline that extend southward from Reach 27.5 Gamerco Tank	City of Gallup	2016
10	27.10	Construct Lyons 3.0 MG water storage tank, pump station, and waterline to connect Reaches 14.6, 14.7, and 14.8.	City of Gallup	2017
11	27.11	Construct 12- and 14-inch waterline that will connect to Reaches 14.6, 14.7, and 14.8.	City of Gallup	2018
12	27.12	Construct South Fork 2.0 MG water storage tank and waterline that will connect to NTUA Boardman connections and two (2) pressure reducing stations.	City of Gallup	2019
13	27.13	Construct Sacred Heart 1.5 MG water storage tank and 12-inch waterline.	City of Gallup	2021

**TABLE A.** Project Descriptions and Implementation Summary (updated from The Navajo-Gallup Water Supply Project City of Gallup Regional Transmission and Storage Facilities, Interim Projects – I, April 2003).

**Table B**  
**New Mexico Water Trust Board Grant Funding of**  
**Navajo Gallup Water Supply Project**

Date: 11/27/2012

Gallup Rural Navajo Water Supply Project	Bureau of Reclamation NGWSP	Construction Award Date	Construction Completion Date	Total Project Cost	WATER TRUST BOARD GRANTS - \$14,168,587						WATER TRUST BOARD GRANT- \$4,936,278 WTB LOAN - \$3,264,186		City of Gallup Funding To Date <sup>1</sup>	Bureau of Reclamation Funding <sup>2</sup>	New Mexico LGO-DFA Total	Description
					WTB #5 (total \$1,600,000)	WTB #17 (total \$1,000,000)	WTB #19 (total \$2,583,366)	WTB #41 (total \$1,500,000)	WTB #111 (total \$5,883,865)	WTB #150 (total \$1,601,856)	WTB #215 (total \$2,622,978)	WTB #247 (total \$3,788,834)				
Project 1	Reach 27.1	Complete	Complete	\$4,238,769.89	\$1,600,000.00	\$1,000,000.00	\$1,638,769.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$256,528.20	\$0.00	\$0.00	24", 14", and 10" waterlines to connect to Reach 14.5 Manuelito; Includes metering, PRV and water loading stations.
Project 2		Complete	Complete	\$1,000,000.00	NOT FUNDED BY WTB								\$0.00	\$0.00	\$1,000,000.00	Twin Lakes Well part of conjunctive ground water component.
Project 3	Reach 27.3	Complete	Complete	\$2,733,885.86	\$0.00	\$0.00	\$866,040.31	\$1,500,000.00	\$367,845.55	\$0.00	\$0.00	\$0.00	\$21,830.00	\$0.00	\$0.00	24" and 12" waterlines for Reach 14.5 and to connect to Reaches 14.6, 14.7, & 14.8 Red Rock, Breadsprings and Chichiltah in the future.
Project 4		6/1/2013	12/31/2013	\$3,984,569.00	\$0.00	\$0.00	\$78,555.80	\$0.00	\$3,906,013.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	10" waterline that connects the Twin Lakes Well and NTUA System to one (1) 0.3 MG Reservoir.
Project 5	Reach 27.5	7/1/2013	6/30/2014	\$12,114,227.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,002,576.00	\$2,662,978.00	\$0.00	\$1,748,652.00	\$6,740,021.00	\$0.00	Three (3) 1.86 MG storage tanks Gamerco (\$5.5 MG total), 30" and 18" waterline and future connection to Reach 13, Ya-ta-Hey Pump Station Upgrades and 0.5 MG primary storage tank and the Gibson PRV Station at 9th Street.
Project 6	Reach 27.6	10/1/2014	9/30/2015	\$9,391,127.00	\$0.00	\$0.00	\$0.00	\$0.00	\$240,720.00	\$599,280.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	18", 16" and 12" waterline, Heaton Pump Station, Hogback PRV Station for future connection to Reaches 14.1, 14.2, 14.3 & 14.4.
Project 7	Reach 27.7	10/1/2015	9/30/2020	\$8,722,245.00	\$0.00	\$0.00	\$0.00	\$0.00	\$264,350.00	\$0.00	\$0.00	\$0.00	\$180,524.71	\$0.00	\$0.00	2 MG storage tank (Red Rock Park) and 16" and 12" waterline to connect to Reaches 14.1, 14.2, 14.3 and 14.4; (Churchrock, Iyanbito, Pinedale and Manuelito) and Meter Stations.
Project 8	Reach 13	10/1/2013	9/30/2014	\$8,482,386.00	\$0.00	\$0.00	\$0.00	\$0.00	\$73,473.91	\$0.00	\$0.00	\$2,273,300.00	\$1,515,534.00	\$4,620,078.09	\$0.00	30" waterline from Reach 12b to 5.5 MG storage tanks Gamerco and 18" connection to Yah-ta-Hey Pump Station.
Project 9	Reach 27.9	1/1/2015	12/31/2015	\$8,141,061.00	\$0.00	\$0.00	\$0.00	\$0.00	\$264,362.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	24" and 16" waterlines extending south from 5.5 MG storage tanks Gamerco.
Project 10	Reach 27.10	4/1/2016	6/30/2017	\$8,700,420.00	\$0.00	\$0.00	\$0.00	\$0.00	\$191,775.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	3 MG storage tank (Lyons pump station) and 16", 12" and 8" waterlines to connect Reaches 14.6, 14.7, and 14.8 (Red Rock, Breadsprings, and Chichiltah) in the future.
Project 11	Reach 27.11	7/1/2017	6/30/2018	\$2,599,870.00	\$0.00	\$0.00	\$0.00	\$0.00	\$191,775.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	14" and 12" waterlines to connect to Reaches 14.6, 14.7, and 14.8 (Red Rock, Breadsprings, and Chichiltah) and metering stations.
Project 12	Reach 27.12	10/1/2018	9/30/2019	\$6,894,573.00	\$0.00	\$0.00	\$0.00	\$0.00	\$191,775.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2 MG storage tank (Southfork) and 12", 10" and 8" waterlines for NTUA Boardman service connections and two (2) PRV Stations.
Project 13	Reach 27.13	1/1/2020	12/31/2020	\$3,768,964.00	\$0.00	\$0.00	\$0.00	\$0.00	\$191,775.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	1.5 MG storage tank (Sacred Heart) and 12" waterline.
Project 5 - Project 13	Environmental & Cultural			\$241,902.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$241,902.00	\$0.00	
Total Amount:				\$81,013,999.75	\$1,600,000.00	\$1,000,000.00	\$2,583,366.00	\$1,500,000.00	\$5,883,865.00	\$1,601,856.00	\$2,662,978.00	\$2,273,300.00	\$3,723,068.91	\$11,602,001.09	\$1,000,000.00	
WTB Grant Amount Remaining:					\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00				

Note:<sup>1</sup> City of Gallup Funding for Project 1, 3 and 7 completed prior to Project 1, 3 and 7 construction. Project 5, \$1,748,652 is loan component of WTB #215 and Project 8, \$1,515,534 is loan component of WTB #247

Note:<sup>2</sup> USBR Financial Assitance Agreement No. R22AC40002

# Appendix A



## NEW MEXICO WATER TRUST BOARD RESOLUTION

WHEREAS, the United States, the State of New Mexico (the “State”) and certain qualifying entities as defined in the Water Project Finance Act, Section 72-4A-1 et seq., (the “Act”) have entered into certain agreements related to the funding of regional water projects authorized by federal law; and

WHEREAS, the United States, the State and the respective qualifying entities each has an obligation to fund the construction of regional water projects and the State and respective qualifying entities contribute funds to satisfy their obligations pursuant to written agreements with the United States (“funding agreements”); and

WHEREAS, in addition to satisfying its obligations through cash contributions, the State may also receive credit (“credit”) toward its obligations for certain of the funds the State has contributed to construct regional water projects; and

WHEREAS, awards have been made by the Water Trust Board in the form of grants or grant/loans to qualifying entities under the provisions of the Act; and

WHEREAS, it has come to the attention of the New Mexico Water Trust Board (“Water Trust Board”) that questions have arisen regarding the accounting by qualifying entities who have received funding under the Act of their contributions under different funding agreements; and

WHEREAS, the Water Trust Board understands that qualifying entities that are in receipt of a loan/grant from the Water Trust Board may wish to consider the value of the loan /grant to be a portion of their contribution under any funding agreement

absent other guidance from the State and unless expressly prohibited from doing so under the respective funding agreement; and

WHEREAS, the Water Trust Board desires to provide direction to the qualifying entities and the State regarding the accounting for funds provided by the Water Trust Board to the qualifying entities for their contributions under their funding agreements for the Navajo-Gallup Regional Water Supply Project, and the Taos (Abeyta) and Aamodt Indian Water Rights Settlements.

NOW, THEREFORE, be it resolved by the Water Trust Board:

1. All loans made by the Water Trust Board, on behalf of the State, to a qualifying entity from the date of full execution of the respective funding agreement shall be applied to a portion of the qualifying entity's obligation under its funding agreement; and

2. All grants made by the Water Trust Board, on behalf of the State, to a qualifying entity from the date of full execution of the respective cost-sharing agreement until the Interstate Stream Commission, on behalf of the State, informs the Water Trust Board, in writing, that the State has fulfilled in full its obligation under its funding agreement, shall be applied to the State's obligation under its funding agreement; and

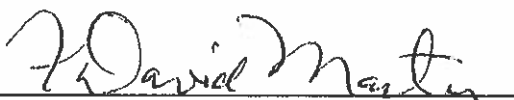
3. All grants made by the Water Trust Board, on behalf of the State, to a qualifying entity after the Interstate Stream Commission, on behalf of the State, informs the Water Trust Board, in writing, that the State has fulfilled in full its

obligation under its funding agreement, shall be applied to the qualifying entity's obligation under its funding agreement.

**PASSED, APPROVED AND ADOPTED** this 26<sup>th</sup> day of September, 2012.

  
Chairman

**ATTEST:**

  
Secretary